

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 (currently amended): A system for receiving audio input comprising:

a display for displaying electronic information;

an audio input receiving audio ~~content~~annotations; and,

a processor for associating said received audio ~~content~~annotations with said displayed electronic information, wherein said processor further associates an author with each of said audio annotations, each of said audio annotations being randomly accessible based on the author.

2 (currently amended): The system according to claim 1, wherein said audio ~~content~~annotations is in the form of audio clips.

Claim 3 (canceled)

4 (currently amended): The system according to claim ~~3~~1, further comprising:

a storage for storing each of said audio ~~content~~annotations with said ~~at least one property~~the associated author.

5 (currently amended): The system according to claim 1, further comprising:

an input receiving a user's input,

wherein said processor starts recording an audio ~~content~~annotation from said audio input in response to said user's input.

6 (currently amended): The system according to claim 1, wherein said processor includes a voice activated recording system for recording said audio ~~content~~annotation.

7 (currently amended): The system according to claim 6, wherein said voice activated recording system records when said audio ~~content~~annotation exceeds a predetermined threshold.

8 (currently amended): The system according to claim 6, wherein said voice activated recording system records when a known user's voice is detected in said audio ~~content~~annotation.

9 (currently amended): The system according to claim 1, wherein said processor controls said display to indicate that an audio ~~content~~annotation is associated with said displayed electronic information.

10 (currently amended): A system for playing audio content, said system comprising:

a display for displaying electronic information;

a storage for storing audio ~~content~~annotations, each of said audio ~~content~~annotations including ~~properties~~an author and being associated with said displayed electronic information, each of said audio annotations being randomly addressable based on the author;

an output for outputting at least some of said audio ~~content~~annotations responsive to navigation of said displayed electronic information; and

a processor for controlling said display, said storage and said output.

11 (currently amended): The system according to claim 10, wherein said audio ~~content~~annotations includes audio clips.

Claim 12 (canceled)

13 (original): The system according to claim 12, wherein said storage is a database.

14 (currently amended): The system according to claim 10, further comprising:

an input for receiving a user's input,

wherein said output outputs at least some of said audio ~~content~~annotations in response to receiving said user's input.

15 (currently amended): The system according to claim 10, further comprising:

an input for receiving a user's input of an author,
wherein said processor searches ~~properties~~ authors of said stored audio
~~content~~ annotations in response to said user's input.

16 (original): The system according to claim 15, wherein the output of said processor is sent to said display to display an indication of the search results.

17 (currently amended): The system according to claim 15, wherein the output of said controller is sent to the output for playing an audio content annotation with ~~properties~~ an author matching the search results.

18 (currently amended): The system according to claim 10, wherein said processor retrieves all audio ~~content~~ annotations associated with said electronic information when said electronic information is accessed.

19 (currently amended): The system according to claim 10, wherein said processor outputs selected audio ~~content~~ annotations to be played through said output when a page of said electronic information is displayed.

20 (currently amended): The system according to claim 19, wherein said processor automatically plays said selected audio ~~content~~ annotations when said page is displayed.

21 (currently amended): The system according to claim 10, further comprising:

a communication link to transmit said audio ~~content~~ annotations.

22 (currently amended): The system according to claim 21, further comprising:

a network connected to said communication link for receiving said audio
~~content~~ annotations, said network being accessible by other users.

23 (currently amended): The system according to claim 21, further comprising:

a receiving device of another user for receiving said audio ~~content~~annotations, said receiving device receiving said audio ~~content~~annotations through one of a wired or wireless interface.

24 (currently amended): The system according to claim 22, wherein said network further processes said audio ~~content~~annotations.

25 (currently amended): The system according to claim 22, wherein said network includes a database for storing said audio ~~content~~annotations.

26 (currently amended): The system according to claim 22, wherein said network receives audio ~~content~~annotations without receiving said electronic information associated with said audio ~~content~~annotations.

27 (original): A user interface for displaying electronic information to a user comprising:

a first display portion for displaying a portion of a document; and
a second display portion for displaying a graphical indication that said document includes an audio annotation associated with said displayed portion of said document.

28 (original): The user interface according to claim 27, further comprising:

a third display portion for displaying a non-audio annotation.

29 (original): The user interface according to claim 27, further comprising:

a third display portion for displaying an indication that said audio annotation is being recorded or played back.

30 (original): The user interface according to claim 27, further comprising:

a third display portion for displaying one of a document tape or a master tape.

31 (original): The user interface according to claim 27, further comprising:

a third display portion for receiving a user input of a property or properties of said audio annotation.

32 (original): The user interface according to claim 27, wherein said audio annotation is recordable by said user.

33 (original): A process for recording an audio annotation comprising the steps of:

displaying electronic information;
receiving a user input;
recording an audio annotation in response to said user input; and
associating said audio annotation with properties including a displayed portion of said electronic information.

34 (original): The process according to claim 33, further comprising the step of:

storing said audio annotation prior to the association of said audio annotation with said displayed portion.

35 (original): The process according to claim 33, further comprising the step of:

storing said audio annotation after the association of said audio annotation with said displayed portion.

36 (original): The process according to claim 33, wherein said recording step records all ambient sounds.

37 (original): The process according to claim 33, wherein said recording step records only sounds above a predetermined threshold.

38 (original): The process according to claim 37, wherein said recording step records only a specific user's voice.

39 (original): The process according to claim 33, further comprising the step of:
 associating additional properties with said audio annotation at the start of recording of said audio annotation.

40 (original): The process according to claim 33, wherein one of said properties is a file position or document position of an item on said displayed portion of said electronic information.

41 (original): The process according to claim 33, wherein one of said properties is a start identification of said displayed portion of said electronic information.

42 (original): The process according to claim 33, further comprising the steps of:
 storing said audio annotation; and,
 searching audio annotations including said audio annotation for at least one property matching a query.

43 (original): A process for playing audio annotations comprising the steps of:
 displaying a portion of electronic information;
 receiving a user input;
 retrieving audio annotations;
 assembling said audio annotations into an audio stream; and
 playing said audio stream.

44 (original): The process according to claim 43, further comprising the step of:
 waiting for a second user input prior to playing said audio stream.

45 (previously presented): The process according to claim 43, further comprising the step of:
 playing said audio stream once said audio stream is assembled.

46 (original): The process according to claim 43, wherein said user input is a text query.

47 (original): The process according to claim 43, wherein said user input is a voice query.

48 (original): The process according to claim 43, further comprising the steps of:

altering the display of said portion to match a currently playing annotation in said audio stream.

49 (previously presented): The process according to claim 48, wherein said altering step includes the steps of:

comparing the length of said currently playing annotation with starting identifications of displayable portions of said electronic information; and

displaying the portion of said electronic information supporting the greater length of said currently playing annotation.

50 (original): A process for playing audio annotations comprising the steps of:

navigating to a page;

retrieving at least one audio annotation associated with a page or associated with an item on a page; and

playing said at least one audio annotation.

51 (original): The process according to claim 50, further comprising the step of:

waiting for a user input prior to playing said audio annotation.

52 (original): The process according to claim 50, wherein said item on said page includes at least one of embedded notes, inked notes, highlights and underlining.

53 (original): The process according to claim 50, wherein said at least one audio annotation was previously retrieved and said retrieving step includes indexing said previously retrieved at least one audio annotation.

54 (original): The process according to claim 50, wherein said at least one audio annotation is the result of a newly executed query.

55 (original): A computer readable medium having a data structure stored thereon, said data structure comprising:

- a document;
 - a link object; and
 - audio content with at least one property,
- wherein said link object references said document and references said audio content.

56 (original): The data structure according to claim 55, wherein said property relates to the time said audio content started recording.

57 (original): The data structure according to claim 55, wherein said property relates to the time said audio content stopped recording.

58 (original): The data structure according to claim 55, wherein said property relates to the length of recording of said audio content.

59 (original): The data structure according to claim 55, wherein said property relates to the author of the recording.

60 (original): The data structure according to claim 55, wherein said property relates to the start ID.

61 (original): The data structure according to claim 55, wherein said property relates to the stop ID.

62 (original): The data structure according to claim 55, wherein said audio content is comprised of a plurality of audio clips.

63 (original): The data structure according to claim 62, wherein said audio clips are stored in a database.

64 (original): The data structure according to claim 55, wherein said property is one of plurality of properties and said properties are in a marked up language form.

65 (original): The data structure according to claim 64, wherein said properties are in XML.

66 (original): The data structure according to claim 55, wherein said audio content is stored within a document.

67 (original): The data structure according to claim 55, wherein said audio content is stored apart from a document.

68 (original): The data structure according to claim 67, wherein said audio content is stored in a database with at least one property designating the position of viewed document relating to said audio content.

69 (original): The data structure according to claim 67, wherein said audio content is stored in a database and linked to a separate annotation document that stores the position of a viewed document relating to said audio content.

70 (original): A process for recording audio content comprising the steps of:

- navigating to a page of a document;
- recording said audio content; and
- associating properties with said audio content such that retrieval of said audio content positions said audio content after previously recorded audio content.

71 (previously presented): The process according to claim 70, wherein said audio content comprises audio clips and wherein said properties include a time property.

72 (original): The process according to claim 71, wherein said audio content and said previously recorded audio content is ordered at least by said time property.

73 (original): A process of searching audio clips comprising the steps of:
inputting search terms or properties;
searching said audio clips for said search terms or properties; and
ordering audio clips detected by said searching step for output.

74 (original): The process according to claim 73, wherein said inputting step further comprises the steps of:
receiving verbally delimited keywords; and
converting said verbally delimited keywords into search terms or properties.

75 (original): A process for recording audio information comprising the steps of:
recording audio signals as a first file;
processing said file to extract audio clips; and
storing said audio clips,
wherein said processing separates the content of said first file into audio clips based on events.

76 (original): The process for recording according to claim 75,
wherein said audio signals include speech, and
wherein said events comprise at least one of short pauses in said speech, a pause of a predetermined length, and a user navigating away from a displayed page.

77 (previously presented): A process for associating audio notes and handwritten notes comprising the steps of:
creating a handwritten note;
associating a time at which said handwritten note was created with said handwritten note;
creating an audio note; and

associating a time at which said audio note was created with said audio note,
wherein, upon selection of said handwritten note, audio notes created at or near the time
at which said handwritten note was created are located with said handwritten note.

78 (original): The process according to claim 77, wherein locating said audio notes includes the
step of querying a database for audio clips.

79 (original): The process according to claim 77, wherein locating said audio notes includes the
step of searching a table.

80 (original): The process according to claim 77, wherein locating said audio notes includes the
step of searching a linked list.

81 (original): The process of claim 77, wherein said audio notes are comprised of audio clips in
which each audio clip has a time of creation associated with each audio clip.

82 (original): The process according to claim 77, further comprising the step of:
playing said audio notes.

83 (original): A process for playing audio notes comprising the steps of:
displaying a first page of electronic information;
playing audio notes associated with said first page;
displaying a second page of electronic information; and,
playing audio notes associated with said second page.

84 (original): The process according to claim 83, further comprising the step of receiving user
input,
wherein, in response to said user input, said second page is displayed.

85 (original): A process of recording audio notes comprising the steps of:

- displaying a first page of electronic information;
- recording a first set of audio notes;
- associating said first set of audio notes with said first page;
- displaying a second page of electronic information;
- recording a second set of audio notes; and
- associating said second set of audio notes with said second page.

86 (original): The process according to claim 85, further comprising the step of receiving user input,

wherein, in response to said user input, said second page is displayed.

Claims 87-88 (canceled)